

STR Authentication Report For Cell Line

1. Cell Name: SK-OV-3

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: SK-OV-3			Cell name: SK-OV-3		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	11		8	11	
D7S820	13	14		13	14	
D16S539	12	13		12	12	
VWA	18	19		18	18	
TH01	9	9.3		9	9.3	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	11	11		11	11	
D12S391	22	22				
FGA	24	25	26.0	24	25	26.0
D2S1338	18	23		18	23	
D21S11	30	31	31.2	30	31	31.2
D18S51	16	18		16	18	
D8S1179	14	15		14	15	
D3S1358	14	14		14	14	
D6S1043	11	12				

PENTAE	5	13		5	13	
D19S433	13.2	14	14.2	14	14.2	
PENTAD	12	13	14.0	12	13	
D1S1656	11	17.3				

4. Conclusion: The STR results of **SK-OV-3** cells are consistent with the genotypes of **SK-OV-3** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_0532**, and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

